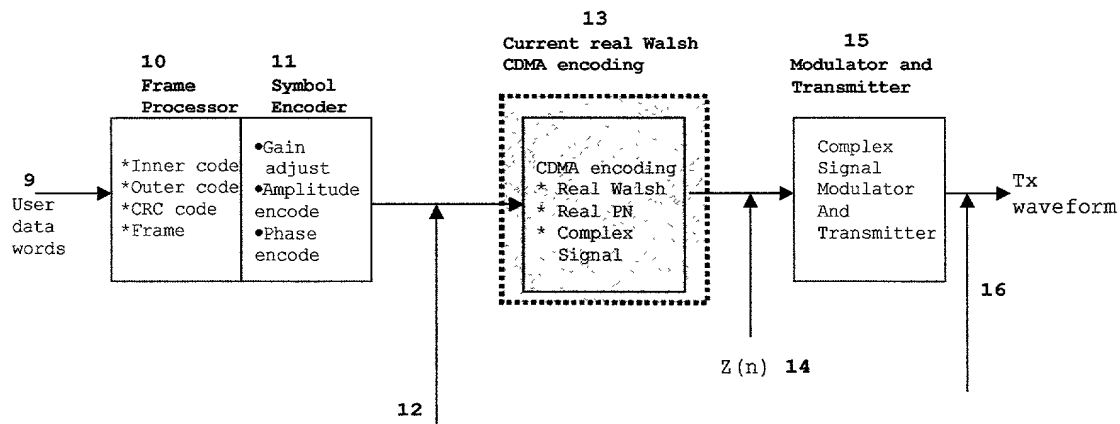


DRAWINGS AND PERFORMANCE DATA

FIG. 1 CDMA Transmitter Block Diagram



User data symbols

$$= \{Z(u)\} = R(u_R) + jI(u_I)$$

For complex data symbols $u = u_R = u_I$

For real data symbols $u = \text{index for counting the user pairs } (u_R, u_I)$

$$v(t) = \text{Real}\{z(t) e^{j[2\pi f_0 t + \phi]}\}$$

FIG. 2 Real Walsh CDMA Encoding

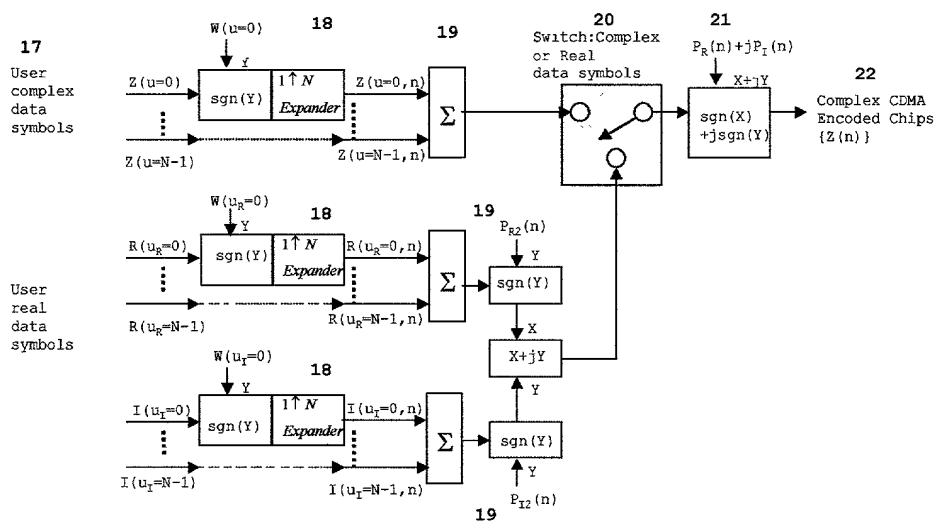


FIG. 3 CDMA Receiver Block Diagram

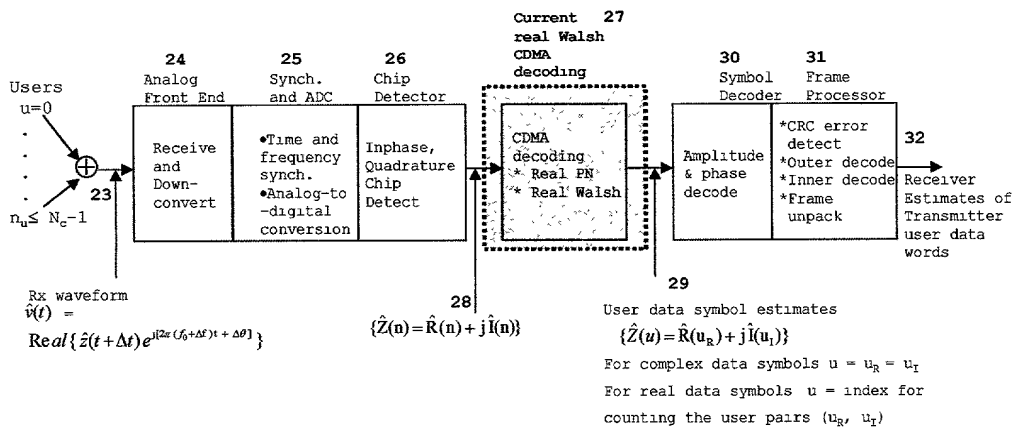


FIG. 4 Real Walsh CDMA Decoding

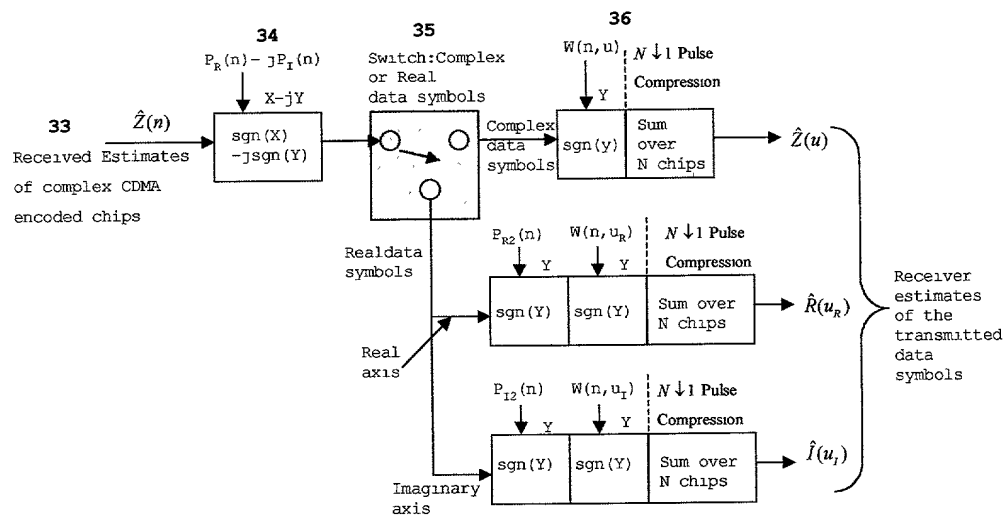


FIG. 5 Correlation of Fourier Codes with DFT Codes for N=32

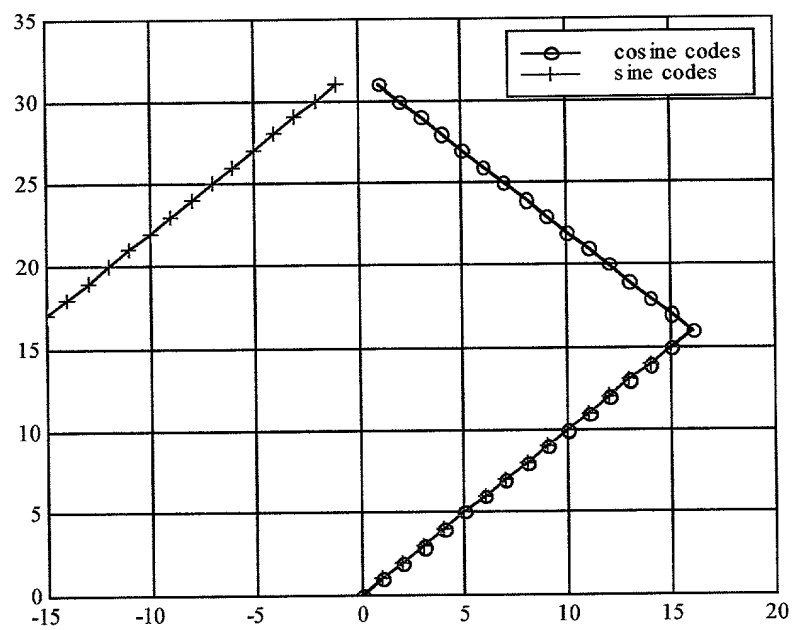


FIG. 6 Complex Walsh CDMA Encoding

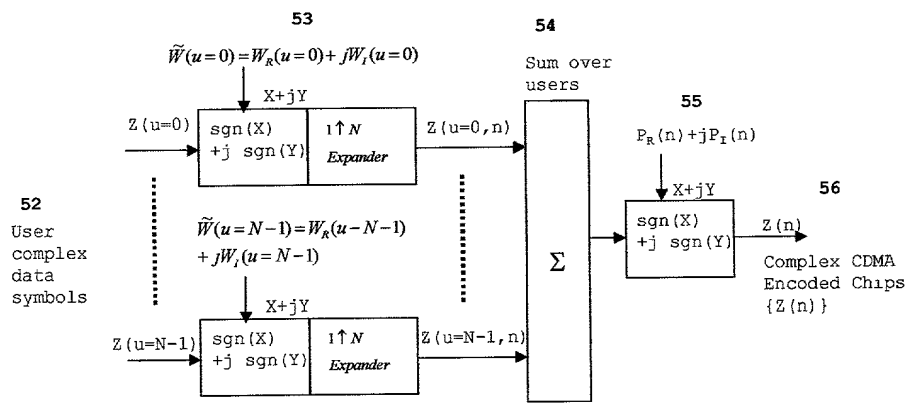


FIG. 7 Complex Walsh CDMA Decoding

